	Application No.	Applicant(s)
Notice of Allowability	10/733,237	HWANG, HAN-WOOK
	Examiner	Art Unit
	Alexander G. Ghyka	2812
	Alexander G. Griyka	2012
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT (The Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport of the communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to		01 D/I/A
2. The allowed claim(s) is/are <u>10-20</u> .		ALEXANDER GHYKA PRIMARY EXAMINER
3. Acknowledgment is made of a claim for foreign priority unit a) All b) Some* c) None of the:	•	AV 2812
 Certified copies of the priority documents have 		ale byhan
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) 🔲 including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. Notice of References Cited (PTO-892)	5 Notice of Informal P	latent Application (PTO 152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	ratent Application (PTO-152)
	Paper No./Mail Dat	te
 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 	8), 7. Examiner's Amendr	nent/Comment
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance
o. Biologica, Matorial	9. Other	
		:

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DETAILED ACTION

Claims 10-20 are allowed.

The following is an examiner's statement of reasons for allowance: The closest art known to the Examiner is listed on the PTO 892 and IDS forms of record. None of the references anticipate or make obvious, *inter alia*, forming a gate insulation layer over the poly-crystalline semiconductor, wherein the gate insulation layer is formed with a first thickness at a channel position and at source and drain positions, wherein the gate insulation layer is formed with a second thickness at offset positions, and wherein the thickness of the gate insulation layer tapers in sequential doping positions from the second thickness to the first thickness; forming auxiliary gate electrodes over the offset positions; and impurity doping impurity doping the semiconductor layer through exposed portions of the gate insulation layer while using the gate structure as a mask to define sequential doping regions that are aligned with the sequential doping positions as required by the present claims. Therefore, the present claims are allowable over the cited prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander G. Ghyka whose telephone number is (571) 272-1669. The examiner can normally be reached on Monday through Thursday during general business hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Lebentritt can be reached on (571) 272-1873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AGG October 11, 2005

ALEXANDER GHYKA PRIMARY EXAMINER

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